Date: November 5, 2002

To: T10 Committee (SCSI)

From: George Penokie (IBM/Tivoli)

Subject: State machine phraseology

1 State to State within a State machine

This transition shall occur after sending the **Abc** confirmation to the **xyz** layer.

This transition shall occur if a **XYZ PRIMITIVE** is received.

This transition shall occur after a **XYZ PRIMITIVE** is received

Should not use "This transition shall occur when a **XYZ PRIMITIVE** is received'

This state shall send an **Abc (Argument)** parameter to the **xyz** state machine

This state shall send an **Abc (Argument)** parameter to the **xyz** state.

Should not use "This state shall be exited after receiving a **XYZ PRIMITIVE**."

Should not use "This state shall be exited after receiving an **Abc**."

Should not use "This state shall be exited after receiving an **Abc (Argument)**."

This transition shall occur after sending a **XYZ PRIMITIVE (ARGUMENT)** parameter to the **abc** state.

This transition shall occur after sending a **XYZ PRIMITIVE** parameter to the **abc** state.

This transition shall occur after receiving a **XYZ PRIMITIVE (ARGUMENT)** parameter.

This transition shall occur after receiving a **XYZ PRIMITIVE** parameter.

If this state is entered from the **abc** state with an argument of **xyz**...

If this state was entered as a result of receiving an **abc** parameter....

This transition shall pass a **xyz** argument to the **abc** state.

2 Layer to layer

If an **Abc** request is received...

If an **Abc (Argument)** request is received...

If a **XYZ PRIMITIVE** parameter is received this state shall send a **Abc** confirmation to the **xyz** layer.

If a **XYZ PRIMITIVE (ARGUMENT)** parameter is received this state shall send a **Abc (Argument)** confirmation to the **xyz** layer.

3 Layer to/from Application Layer

If an **Abc** protocol service request is received from the application layer...

If an **Abc (Argument)** protocol service request is received from the application layer...

If an **Abc** protocol service response is received from the application layer...

If an **Abc (Argument)** protocol service response is received from the application layer...

If a **XYZ PRIMITIVE** parameter is received this state shall send a **Abc** protocol service indication to the application layer.

If a **XYZ PRIMITIVE (ARGUMENT)** parameter is received this state shall send a **Abc (Argument)** protocol service indication to the application layer.

If a **XYZ PRIMITIVE (ARGUMENT)** parameter is received this state shall send a **Abc (Argument)** protocol service confirmation to the application layer.

If a **XYZ PRIMITIVE** parameter is received this state shall send a **Abc** protocol service confirmation to the application layer.

If a **XYZ PRIMITIVE (ARGUMENT)** parameter is received this state shall send a **Abc (Argument)** protocol service confirmation to the application layer.

4 Layer to/from link

This state shall request a **xyz** be transmitted by sending a **XYZ PRIMITIVE (ARGUMENT)** parameter to the transmitter.

This state shall request a **xyz** be transmitted by sending a **XYZ PRIMITIVE** parameter to the transmitter.

This transition shall occur after sending a **XYZ PRIMITIVE (ARGUMENT)** parameter to the transmitter.

This transition shall occur after sending a **XYZ PRIMITIVE** parameter to the transmitter.

If a **XYZ PRIMITIVE (ARGUMENT)** parameter is received ....

If a **XYZ PRIMITIVE** parameter is received ...

This transition shall occur after receiving a **XYZ PRIMITIVE (ARGUMENT)** parameter**.**

This transition shall occur after receiving a **XYZ PRIMITIVE** parameter**.**